





Dr. Lindsay P. Scheef Dr. Edward J. Buskey



Goals

- Gather 1 year of circulation data in upper Nueces Bay using tilt current meters (TCMs)
- Create visualizations and summaries of the data and compose a final project report

Timeline

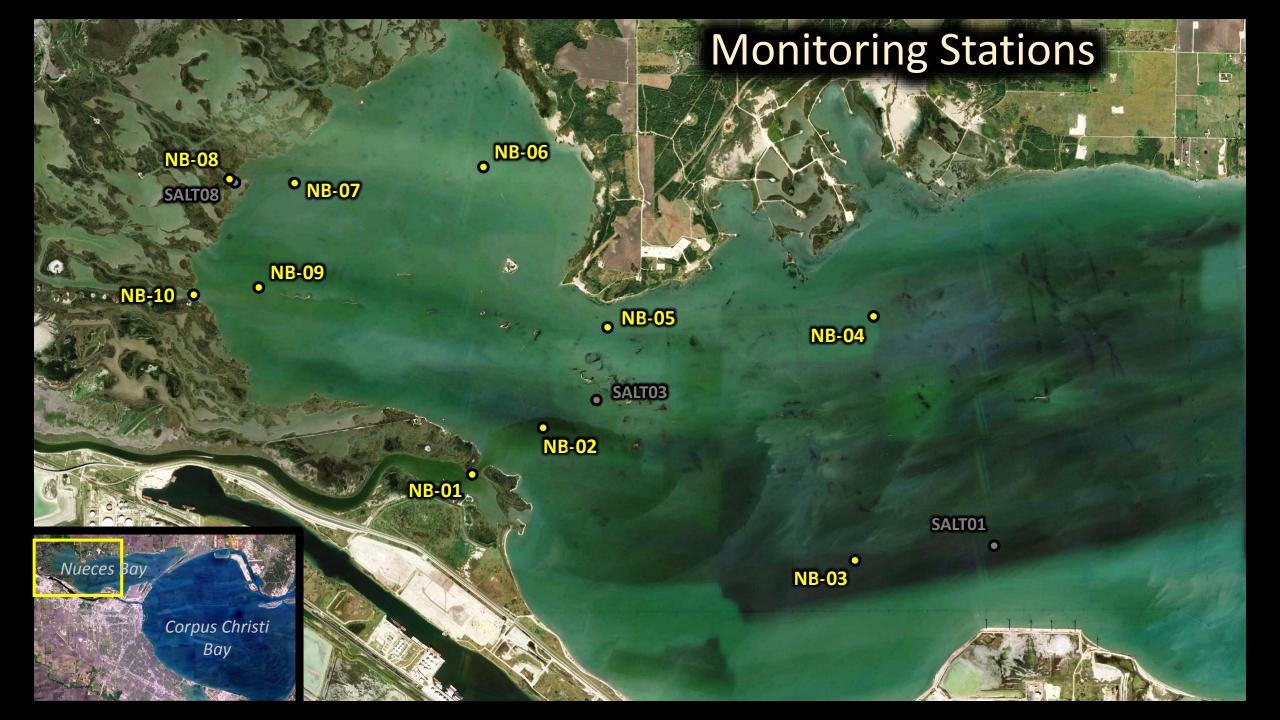
2016 Mar–Jun	✓ ✓ ✓	Project start Scout potential monitoring station locations Purchase necessary number of tilt meters
2016 Jun	√	Begin continuous monitoring of currents
2016 Jun-2017 Jul	√	Maintain current meter array and data collection
2017 Jul–2018 Aug	•	Prepare final report Present results to NEAC Submit final report and visualization products Submit monitoring data and metadata

Tilt Meters

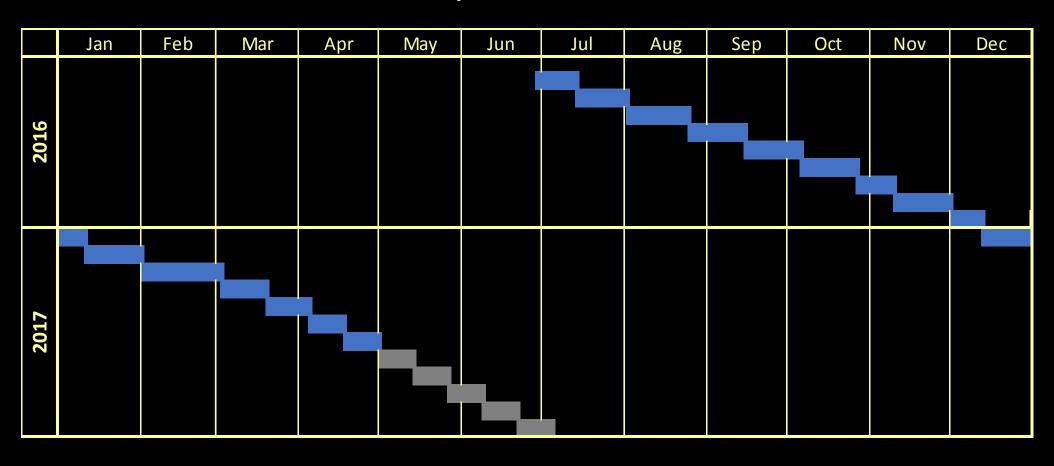
10 cm-long x 6 (4 deployed) 50 cm-long (2 deployed) 25 cm-long x 7 (4 deployed)

Deployment Setup





Sample Schedule



Tilt Meter Retrieval and Re-Deployment



STEP 1: Use precision grapple hooking skills to snag meter line



STEP 2: Pull meter and plenty of mud onto boat; scrape fouling off of meter; offload data

Tilt Meter Retrieval and Re-Deployment



STEP 3: Feed meter into deployment pole; use pole to push meter stake into sediment



STEP 4: Run line from meter to brick; mark location on GPS



Special thanks to our field team,
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Tracy Weatherall!